

FIG. 1

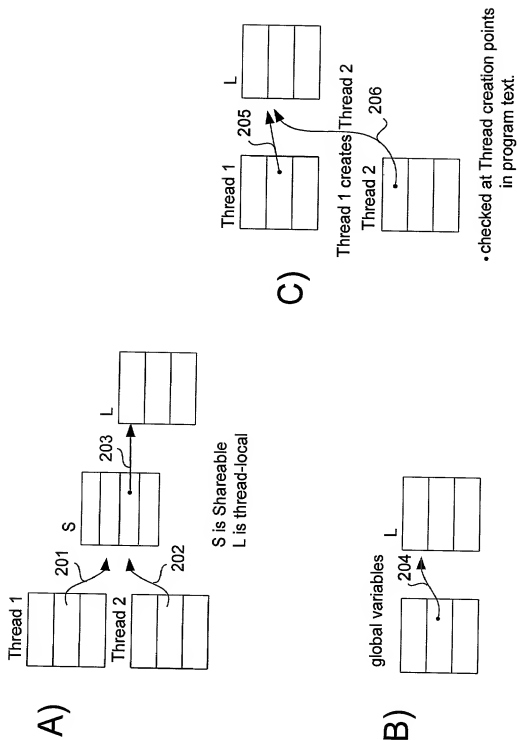
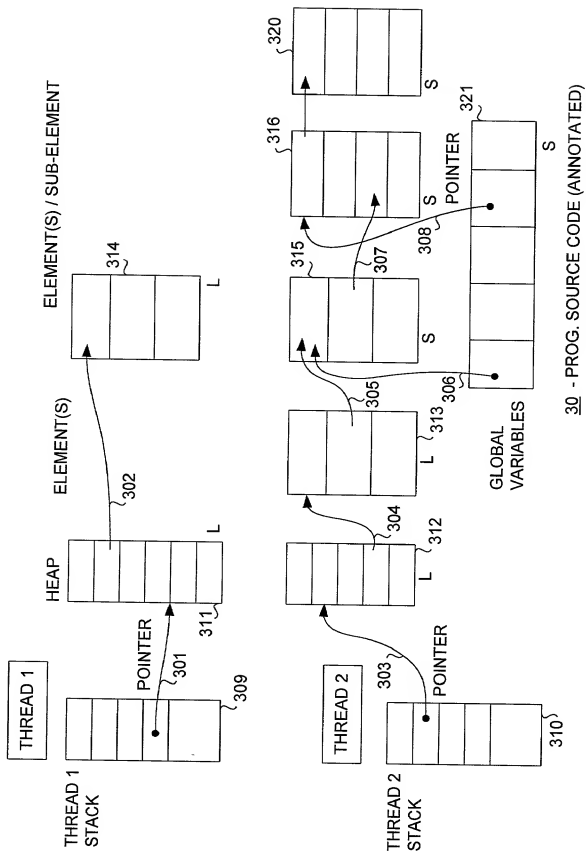


FIG. 2



**FIG. 3**

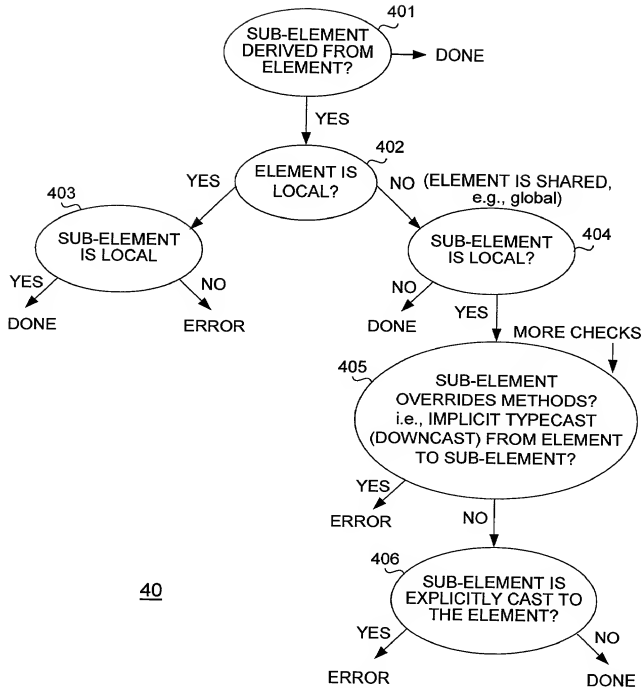
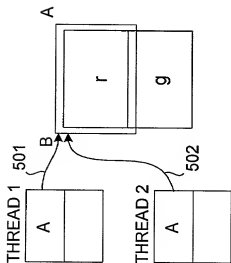


FIG. 4

# MORE CHECKS:

```
thread shared class A {
    Object f;
    void foo() { ... }
}
```

```
thread local class B extends A {
    Object v;
    void foo() { ... this.g... }
}
// of type B
```



(typecasts)  
OK if no downcasts from A to B

- explicit c is of type A  
d=(B)c  
d.g
- implicit  
c is of type A (but actually points to a B object)  
c.foo().

Create a B object  
cast it to type A  
Pass it between threads  
Cast it back to type B  
and access fields of B.

FIG. 5

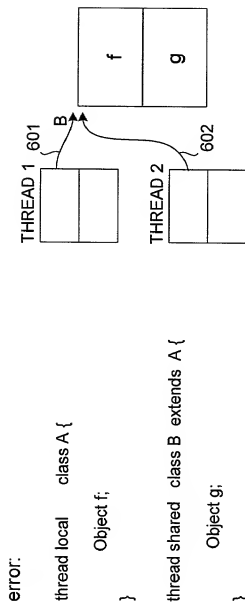


FIG. 6